

CLAIMS

1. In a machine for casting concrete panels on an elongated casting bed having a bottom and opposing side forms, the improvement comprising:

a) a segmented screed having a frame above said casting bed and a plurality of screed units, said screed units each having a lower screed plate; and

b) each of said screed units being mounted to said frame for vertical travel only such that the lower screed plates together when at a lowest position present a unified screed line to contact and screed concrete on said casting bed.

2. The machine of Claim 1 wherein each of said screed units includes a lifting mechanism to raise and lower the screed unit such that all screed units may be raised or lowered together or selectively.

3. The machine of Claim 2 wherein said lifting mechanism is hydraulically operated and each of said screed units includes a hydraulic mechanism comprising a hydraulic cylinder driving a piston attached to said screed units such that said screed units may move up and down relative to said frame.

4. A segmented concrete screed for use in screeding concrete on a casting bed, said segmented concrete screed including an elongated frame to which a plurality of individual screed units are slidably attached, each of said screed units including a lower screed plate, said screed units being attached to said frame such that all of the screed plates may be aligned to form a single continuous screeding line, each of said screed units being movable between a lowest position relative to said frame and a highest position.

5. The segmented concrete screed of Claim 4 wherein each of said screed units is movable between said lowest and highest positions by a hydraulic mechanism which includes a hydraulic cylinder and a piston attached to said screed unit to provide vertical travel of said screed unit relative to said frame.